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L10 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1998:263330 CAPLUS

DOCUMENT NUMBER: 128:299373

TITLE: Naturally foaming cosmetic creams containing vinyl polymers and water

INVENTOR(S): Touzan, Philippe; Delambre, Patricia

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Eur. Pat. Appl., 10 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 835647	A1	19980415	EP 1997-402251	19970926 <--
EP 835647	B1	19991006		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
FR 2754451	A1	19980417	FR 1996-12510	19961014 <--
FR 2754451	B1	19981106		
ES 2140191	T3	20000216	ES 1997-402251	19970926 <--
CA 2216570	AA	19980414	CA 1997-2216570	19971010 <--
CA 2216570	C	20050524		
BR 9702994	A	19990720	BR 1997-2994	19971010 <--
JP 10114619	A2	19980506	JP 1997-279210	19971013 <--
JP 2986435	B2	19991206		
US 6033647	A	20000307	US 1997-949684	19971014 <--
US 6210656	B1	20010403	US 1999-292372	19990415

PRIORITY APPLN. INFO.:

FR 1996-12510 A 19961014
US 1997-949684 A1 19971014

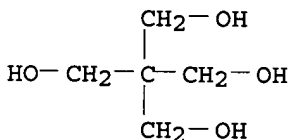
AB Naturally foaming cosmetic creams contain at least 5% fatty component, a gelling polymer such as dialkylaminoalkyl (meth)acrylates, crosslinked polymers, and water. Thus, a skin cream contained mineral oil 15, C13-14 isoparaffin 0.6, glycerin 6, sodium laureth sulfate 1, laureth-7 0.2, polyacrylamide 1.2, Carbomer 0.1, NaOH 0.04, perfume and preservative qs and water to 100%.

IT 115-77-5D, Pentaerythritol, allyl ethers 149-32-6D, Erythritol, allyl ethers

RL: RCT (Reactant); RACT (Reactant or reagent)
(naturally foaming cosmetic creams containing vinyl polymers and water)

RN 115-77-5 CAPLUS

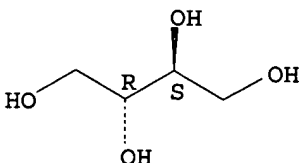
CN 1,3-Propanediol, 2,2-bis(hydroxymethyl) - (9CI) (CA INDEX NAME)



RN 149-32-6 CAPLUS

CN 1,2,3,4-Butanetetrol, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS

L10 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1997:244354 CAPLUS

DOCUMENT NUMBER: 126:226711

TITLE: Lotioned tissue paper containing an emollient and a polyol polyester

INVENTOR(S): Roe, Donald Carroll; Mackey, Larry Neil

PATENT ASSIGNEE(S): Procter & Gamble Company, USA

SOURCE: PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9706306	A1	19970220	WO 1996-US12235	19960725 <--
W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA			
US 5624676	A	19970429	US 1995-510929	19950803 <--
CN 1169680	A	19980107	CN 1995-196751	19951026 <--
CA 2228256	AA	19970220	CA 1996-2228256	19960725 <--
AU 9665983	A1	19970305	AU 1996-65983	19960725 <--
AU 725969	B2	20001026		
EP 842326	A1	19980520	EP 1996-925486	19960725 <--
EP 842326	B1	20011205		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI			
JP 11511046	T2	19990928	JP 1996-508467	19960725 <--
AT 210222	E	20011215	AT 1996-925486	19960725
ES 2165511	T3	20020316	ES 1996-925486	19960725

PRIORITY APPLN. INFO.:

US 1995-510929	A	19950803
WO 1996-US12235	W	19960725

AB A lotion composition for imparting a soft, lubricious, lotion-like feel when applied to tissue paper in amts. as low as from about 0.1 to about 15% by weight, and tissue paper treated with such lotion compns. are disclosed. The lotion composition comprises plastic or fluid emollient such as petroleum, or a mixture of petrolatum with alkyl ethoxylate emollient, a solid polyol polyester [SEFA behenate (sucrose polybehenate)] immobilizing agent (fatty acids; Steareth 10) to immobilize the emollient on the surface of the tissue paper web and, optionally, a hydrophilic surfactant to improve wettability when applied to toilet tissue. Because less lotion is required to impart the desired soft, lotion-like feel benefits, detrimental effects on the tensile strength and caliper of the lotioned paper are minimized or avoided.

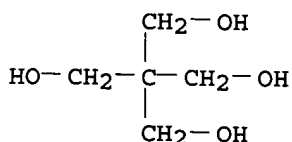
IT 115-77-5, uses 149-32-6

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(lotioned tissue paper containing an emollient and a polyol polyester)

RN 115-77-5 CAPLUS

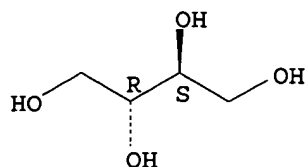
CN 1,3-Propanediol, 2,2-bis(hydroxymethyl) - (9CI) (CA INDEX NAME)



RN 149-32-6 CAPLUS

CN 1,2,3,4-Butanetetrol, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L10 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1994:137524 CAPLUS

DOCUMENT NUMBER: 120:137524

TITLE: Deinking agents showing foam suppression in flotation process

INVENTOR(S): Shiroishi, Takanobu; Edo, Takeshi; Inoe, Masaki; Myauchi, Yoshitaka; Ishibashi, Yoichi; Takahashi, Hiromichi

PATENT ASSIGNEE(S): Kao Corp, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05222686	A2	19930831	JP 1992-26615	19920213 <--
JP 3007465	B2	20000207		

PRIORITY APPLN. INFO.: JP 1992-26615 19920213

AB The title agents comprise mixts. of ester group-containing compds. prepared by the reaction of alkylene oxides with mixts. of (glycerol-treated) fats and oils, alcs., and carboxylic acids or anhydrides. The reaction of 818.6 g 2:1 (mol) ethylene oxide-propylene oxide mixture with a mixture of beef tallow 171.5, glycerol 5.5, and maleic acid 11.6 g in the presence of KOH at 130-140° gave a deinking agent in 98.5% yield. Shredded newspapers were beaten (pulp concentration 15%) at 45° in water containing 0.3% deinking agent, NaOH, Na silicate, and H2O2, aged at 55°, adjusted to 23% water content, kneaded, diluted, beaten, diluted with water to give a 1% slurry, deinked in a flotation process with low foam formation, and used to prepare a sheet with good whiteness and low ink content.

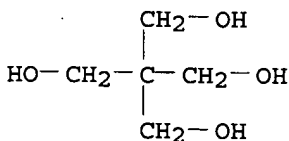
IT 115-77-5D, Pentaerythritol, esters, alkoxylates 149-32-6D, Erythritol, esters, alkoxylates

RL: USES (Uses)

(deinking agents, antifoaming, in recycling of wastepaper)

RN 115-77-5 CAPLUS

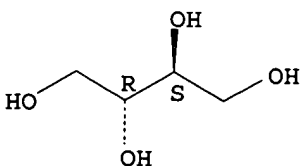
CN 1,3-Propanediol, 2,2-bis(hydroxymethyl)- (9CI) (CA INDEX NAME)



RN 149-32-6 CAPLUS

CN 1,2,3,4-Butanetetrol, (2R,3S)-rel- (9CI) (CA INDEX NAME)

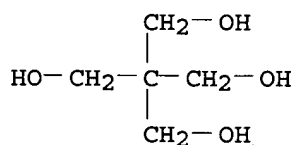
Relative stereochemistry.



ACCESSION NUMBER: 1993:214535 CAPLUS
 DOCUMENT NUMBER: 118:214535
 TITLE: Selectively permeable membranes and their use
 INVENTOR(S): Bastioli, Catia; Bellotti, Vittorio
 PATENT ASSIGNEE(S): Novamont S.p.A., Italy
 SOURCE: Eur. Pat. Appl., 14 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

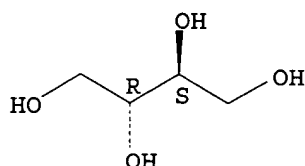
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 512360	A1	19921111	EP 1992-107183	19920428 <--
EP 512360	B1	19950830		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, PT, SE				
ES 2077280	T3	19951116	ES 1992-107183	19920428 <--
JP 05123550	A2	19930521	JP 1992-112530	19920501 <--
JP 3225085	B2	20011105		

PRIORITY APPLN. INFO.: IT 1991-TO327 A 19910503
 AB A membrane comprises starch and a synthetic thermoplastic and is useful for separating liquid mixts., especially by pervaporation. Thus, a composition of starch (11% H₂O), ethylene-vinyl alc. copolymer (hydrolysis degree of acetate groups 99.55; 42 mol% ethylene), **acrylic acid**-ethylene copolymer (20% **acrylic acid**), Aramid E, glycerol, and H₂O was mixed, extruded, granulated, and blow molded to 150-mL bottles with 625 µm thickness. The bottles, filled with H₂O-EtOH mixts (6.4 wt% EtOH) showed, after 27 days at 20° and 50% relative humidity, 12.1 wt% alc. and overall weight loss 56.6%.
 IT 115-77-5, Pentaerythritol, uses 149-32-6, Erythritol
 RL: MOA (Modifier or additive use); USES (Uses)
 (plasticizer, for starch/vinyl alc. copolymer compns. for membranes, for liquid separation)
 RN 115-77-5 CAPLUS
 CN 1,3-Propanediol, 2,2-bis(hydroxymethyl)- (9CI) (CA INDEX NAME)



RN 149-32-6 CAPLUS
 CN 1,2,3,4-Butanetetrol, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



ACCESSION NUMBER: 1990:118070 CAPLUS
 DOCUMENT NUMBER: 112:118070
 TITLE: Arrhenius parameters for the autoxidation of solid organic compounds
 AUTHOR(S): Liang, Hua; Tanaka, Tatsuo
 CORPORATE SOURCE: Dep. Chem. Process Eng., Hokkaido Univ., Sapporo, 060, Japan

SOURCE: Industrial & Engineering Chemistry Research (1990), 29(3), 329-33
CODEN: IECRED; ISSN: 0888-5885

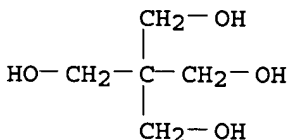
DOCUMENT TYPE: Journal
LANGUAGE: English

AB By use of thermogravimetric anal., the activation energy and the frequency factor are determined for the autoxidn. of solid organic compds. The activation energies are almost the same as long as the compds. have the same mol. structure around the hydrogen to be abstracted. As a result, direct or indirect evaluation of the activation energy becomes possible for the combustible compound in question from its mol. structure, leading to the quant. prediction of self-heating. A compensatory effect (i.e., the larger the activation energy, the larger the frequency factor) is roughly found between the activation energy and the product of the frequency factor and the heat of reaction, suggesting that the cause of self-ignition is in terms of the mol. structure.

IT 115-77-5, Pentaerythritol, reactions 149-32-6, meso-Erythritol
RL: RCT (Reactant); RACT (Reactant or reagent) (autoxidn. of, kinetics of)

RN 115-77-5 CAPLUS

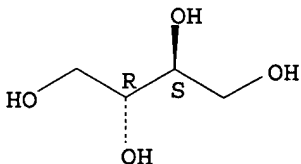
CN 1,3-Propanediol, 2,2-bis(hydroxymethyl)- (9CI) (CA INDEX NAME)



RN 149-32-6 CAPLUS

CN 1,2,3,4-Butanetetrol, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L10 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1969:526990 CAPLUS

DOCUMENT NUMBER: 71:126990

TITLE: Esterification-product of high molecular weight monocarboxylic acids

INVENTOR(S): Bork, John F.

PATENT ASSIGNEE(S): Lubrizol Corp.

SOURCE: Ger. Offen., 27 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

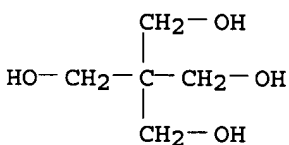
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1912517		19691009		
FR 1598877			FR	<--
GB 1236161			GB	
US 3542678		19700000	US	<--
US 3833624		19740000	US	<--
PRIORITY APPLN. INFO.:			US	19680313

AB Esters of C50 or higher monocarboxylic acids and polyols containing 2-10 OH groups or amino alcs. are useful as sludge dispersants in lubricants and

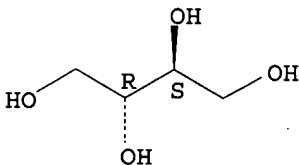
fuels. Thus, 3240 parts of a high-mol.-weight monocarboxylic acid prepared by treating chlorinated polyisobutylene with acrylic acid in an equivalent ratio of 1:1 and having average mol. weight 982 was heated over 1.5 hrs. to 115-25° in a mixture of 200 parts sorbitol and 1000 parts oil. The composition was then mixed with an addnl. 400 parts oil, heated 16 hrs. at 195-205° under N, mixed with an addnl. 755 parts oil, cooled to 140°, and filtered, giving an oil solution of the desired ester. A lubricating oil composition was prepared by dissolving 1% of this product and 0.5% of a similar product from glycerol in an SAE 30 mineral oil. Ester additives were also prepared from pentaerythritol, mannitol, a polyisobutylene-ClCH₂COCl adduct, and an isobutylene-propylene copolymer-ClCH₂COCl adduct. The use of erythritol ester preps. was also claimed.

IT 115-77-5DP, Pentaerythritol, esters with high-mol.-weight monocarboxylic acids 149-32-6DP, Erythritol, esters with high-mol.-weight monocarboxylic acids
 RL: PREP (Preparation)
 (preparation of)
 RN 115-77-5 CAPLUS
 CN 1,3-Propanediol, 2,2-bis(hydroxymethyl)- (9CI) (CA INDEX NAME)



RN 149-32-6 CAPLUS
 CN 1,2,3,4-Butanetetrol, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



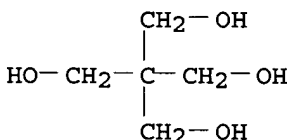
L10 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1969:526989 CAPLUS
 DOCUMENT NUMBER: 71:126989
 TITLE: Acylation of esters of high molecular-weight carboxylic acids
 INVENTOR(S): LeSuer, William M.
 PATENT ASSIGNEE(S): Lubrizol Corp.
 SOURCE: Ger. Offen., 39 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1916133		19691009		
GB 1254074			GB	
US 3639242		19720000	US	
US 3708522		19730000	US	
PRIORITY APPLN. INFO.:			US	19680329

AB Esters of high mol. weight carboxylic acids containing 1-6 CO₂H groups are acylated with C1-30 carboxylic acids containing 1-6 CO₂H groups, or their reactive derivs., using 0.05-5 equivalent of the latter compound per equivalent alc. component in the former compound The products are useful as dispersants in fuels and lubricating oils. Thus, poly(isobutenylsuccinic anhydride) (average

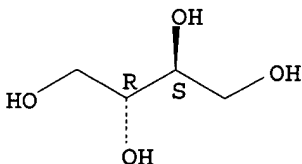
mol. weight 1100) 3318, pentaerythritol 408 and oil 2445 parts were heated 5 hrs. at 150° and 5 hrs. at 200-10° and then filtered, giving an oil solution of the desired ester. A mixture of 2008 parts of this solution and 73.5 parts maleic anhydride was heated to 200 over 90 min. and then heated 5.5 hrs. at 200-10°, with N sparging during the last 90 min. of heating. The mixture was freed of volatiles at 190° and 40 mm. and then filtered, giving an oil solution of the acylation product. A lubricating oil composition was prepared by modifying SAE 10W-30 oil with 1.5% of this acylation product and 0.05% P in the form of a Zn salt of a dithiophosphate prepared by treating P2S5 with a 3:2 molar mixture of p-butylphenol and 1-pentanol. Ester starting materials were also prepared from polyisobutylene (I)-**acrylic acid** adducts, I-ClCH2COC1 adducts, isobutylene-propylene copolymer-ClCH2COC1 adducts, polyisopropenylsuccinic anhydride, sorbitol, mannitol, and styrene-allyl alc. copolymer. A number of these esters were treated with propylene oxide before acylation. The dispersant properties of the adducts were improved by treating the esters with alkylene oxides or neutralizing the final products with polyalkylenepolyamines. The use of glycerol and erythritol in ester preparation and maleic acid, succinic acid, succinic anhydride, and fumaric acid in acylation was also claimed.

IT 115-77-5, Pentaerythritol 149-32-6D, Erythritol, esters
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (acylation of)
 RN 115-77-5 CAPLUS
 CN 1,3-Propanediol, 2,2-bis(hydroxymethyl)- (9CI) (CA INDEX NAME)



RN 149-32-6 CAPLUS
 CN 1,2,3,4-Butanetetrol, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

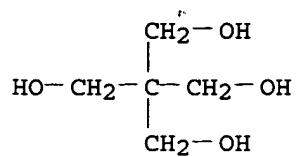


L10 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1951:21032 CAPLUS
 DOCUMENT NUMBER: 45:21032
 ORIGINAL REFERENCE NO.: 45:3690d-e
 TITLE: The distribution of organic compounds between isobutanol and water
 AUTHOR(S): Collander, Runar
 SOURCE: Acta Chemica Scandinavica (1950), 4, 1085-98
 CODEN: ACHSE7; ISSN: 0904-213X
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB Coeffs. for the distribution of about 150 organic compds. between isobutanol and water are given, extending a study begun with the system ether-water (cf. C.A. 44, 2828d). The effect of chemical constitution on solute distribution is estimated. Coeffs. in the butanol-water system differ much less from each other than do those in the ether-water system.

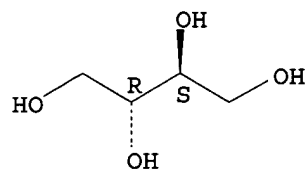
IT 115-77-5, Pentaerythritol 149-32-6, Erythritol
 (partition between iso-BuOH and water)
 RN 115-77-5 CAPLUS
 CN 1,3-Propanediol, 2,2-bis(hydroxymethyl)- (9CI) (CA INDEX NAME)



RN 149-32-6 CAPLUS

CN 1,2,3,4-Butanetetrol, (2R,3S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



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(FILE 'HOME' ENTERED AT 09:59:09 ON 16 NOV 2005)

FILE 'CAPLUS' ENTERED AT 10:01:10 ON 16 NOV 2005
S 115-77-5/REG# AND 149-32-6/REG# AND ACRYLIC ACID

L1 FILE 'REGISTRY' ENTERED AT 10:01:52 ON 16 NOV 2005
1 S 149-32-6/RN

L2 FILE 'CAPLUS' ENTERED AT 10:01:52 ON 16 NOV 2005
3074 S L1

L3 FILE 'REGISTRY' ENTERED AT 10:01:53 ON 16 NOV 2005
1 S 115-77-5/RN

L4 FILE 'CAPLUS' ENTERED AT 10:01:53 ON 16 NOV 2005
10010 S L3

L5 13 S L4 AND L2 AND ACRYLIC ACID

L6 0 S L5 AND DICARBOXYLIC ACID

L7 1 S L5 AND ADIPIC ACID

L8 0 S L5 AND DIMER ACID

L9 1 S L5 AND PHTHALIC?

L10 8 S L5 AND PY<2001

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